

Patent Abstracts of Japan

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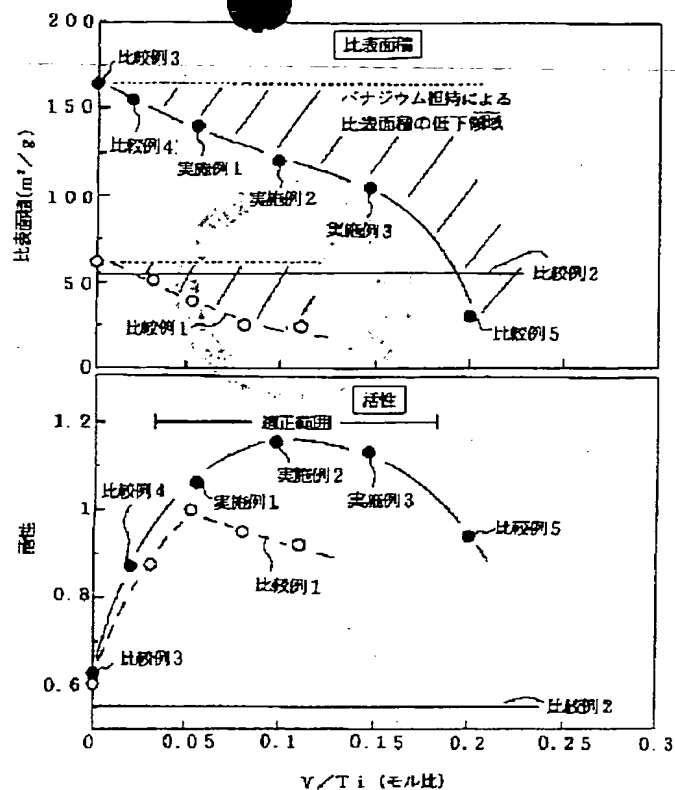
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TITLE : CATALYST FOR REMOVING
 NITROGEN OXIDE USING CLAY
 MINERAL AND EXHAUST GAS
 TREATMENT METHOD



ABSTRACT : PURPOSE: To provide a catalyst with improved denitration activity and an exhaust gas denitration method with the use of the catalyst.

CONSTITUTION: V or Cu is supported in the pores of a clay mineral with TiO_2 pillars between layers (smectite type clay mineral such as montmorillonite, beidellite, and bentonite) in a specific composition ratio with TiO_2 (molar ratio $\text{M/Ti}=0.03-0.18$, $\text{M}=\text{V}$ or Cu) to give a high NO_x removal ratio.

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